

DERWENT-ACC-NO: 1980-44682C

DERWENT-WEEK: 198025

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TITLE: Glass for producing graded glass to tungsten
and
molybdenum seals - contg. oxide(s) of silicon,
aluminium,
boron, sodium, calcium and potassium

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PRIORITY-DATA: 1978SU-2565092 (January 6, 1978)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
SU 695979 A	November 5, 1979	N/A
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INT-CL (IPC): C03C003/08

ABSTRACTED-PUB-NO: SU 695979A

BASIC-ABSTRACT:

Addn. of K2O to the glass used for producing graded, quartz glass to
W and Mo
metal seals, ensures that the glass has linear thermal expansion
coefft of
(18-24).10⁻⁷/degrees C.

The glass contains(in wt.%): SiO2 85-88, Al2O3 4-5, B2O3 7-8, Na2O
0.05-0.5,
CaO 0.01-1.0 and K2O 0.05-0.5.

A typical glass contg. (in wt.%): SiO2 87, Al2O3 4.0, B2O3 7.5, Na2O
0.5, K2O
0.5 and CaO 0.5 has heat expansion coefft of 19.10⁻⁷/degrees C, glass
point 719
degrees C and softening temp 837 degrees C.

TITLE-TERMS: GLASS PRODUCE GRADE GLASS TUNGSTEN MOLYBDENUM SEAL
CONTAIN OXIDE

SILICON ALUMINIUM BORON SODIUM CALCIUM POTASSIUM

DERWENT-CLASS: L01

CPI-CODES: L01-A01C; L01-A03A; L01-A05; L01-A06C; L01-H04;